

FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLANT  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CUSHMAN  
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED METHODS FOR INACTIVATING TARGET DNA AND FOR DETECTING CONFORMATIONAL CHANGE IN A NUCLEIC ACID

the specification of which (CHECK applicable BOX(ES))

-> [ ] is attached hereto.

-> [XX] was filed on May 7, 1996 as U.S. Application No. 08 / 647,449

BOX(ES) -> [ ] was filed as PCT International Application No. PCT/ \_\_\_\_\_ / \_\_\_\_\_ on \_\_\_\_\_

-> -> and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)	Date first Laid-open or Published	Date Patented or Granted	Priority Claimed
Number	Country	Day/MONTH/Year Filed	Yes No

I hereby claim domestic priority benefit under 35 U.S.C.120/365 of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)	Status	Priority Claimed
Application No. (series code/serial no.)	Day/MONTH/Year Filed	Yes No

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Cushman Darby & Cushman, L.L.P., 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Cushman Darby & Cushman in writing to the contrary.

Paul N. Kokulis	16773	David W. Brinkman	20817	Chris Comuntzis	31097	David A. Jakopin	32995
Raymond F. Lippitt	17519	George M. Sirilla	18221	Lawrence Harbin	27644	Mark G. Paulson	30793
G. Lloyd Knight	17698	Donald J. Bird	25323	Paul E. White, Jr.	32011	James D. Berquist	34776
Carl G. Love	18781	W. Warren Taltavull	25647	Michelle N. Lester	32331	Timothy J. Klima	34852
Edgar H. Martin	20534	Peter W. Gowdrey	25872	Jeffrey A. Simenauer	31993	John P. Moran	30906
William K. West, Jr.	22057	Dale S. Lazar	28872	Robert A. Molan	29834	Stephen C. Glazier, P.C.	31361
Kevin E. Joyce	20508	Glenn J. Perry	28458	G. Paul Edgell	24238		
Edward M. Prince	22429	Kendrew H. Colton	30368	Lynn E. Eccleston	35861		

1. INVENTOR'S SIGNATURE: S. Chandrasegaran Date Aug 11/96  
Inventor's Name (typed) Srinivasan Family Name Chandrasegaran Country of Citizenship United States

First Middle Initial (State/Foreign Country) Family Name Country of Citizenship Post  
Residence (City) Baltimore Office Address (Include Zip Code) 615 North Wolfe Street, Baltimore, MD 21205-2179

2. INVENTOR'S SIGNATURE: Date  
Inventor's Name (typed) First Middle Initial (State/Foreign Country) Family Name Country of Citizenship Post  
Residence (City) \_\_\_\_\_ Post Office Address (Include Zip Code) \_\_\_\_\_

3. INVENTOR'S SIGNATURE: Date  
Inventor's Name (typed) First Middle Initial (State/Foreign Country) Family Name Country of Citizenship Post  
Residence (City) \_\_\_\_\_ Post Office Address (Include Zip Code) \_\_\_\_\_

(FOR ADDITIONAL INVENTORS, check box [ ] and attach sheet (CDC-116.2) for same information for each re signature, name, date, citizenship, residence and address.)

Inventor(s): CHANDRASEGARAN (Atty. Dkt.  
Appln. No.: 08 / 647,449 or Patent No.: ( 216443 /C-1191-CIP-5  
Filed: May 7, 1996 or Issued: M# / Client Ref.  
Title: METHODS FOR INACTIVATING TARGET DNA AND FOR DETECTING CONFORMATIONAL CHANGE IN A NUCLEIC ACID

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION Johns Hopkins University

ADDRESS OF ORGANIZATION 3400 North Charles Street, Baltimore, MD 21218

**TYPE OF ORGANIZATION**

- [XX] UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  
[ ] TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3))  
[ ] NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA  
(NAME OF STATE \_\_\_\_\_)  
(CITATION OF STATUTE \_\_\_\_\_)  
[ ] WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) AND 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA  
[ ] WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA  
(NAME OF STATE \_\_\_\_\_)  
(CITATION OF STATUTE \_\_\_\_\_)

**I hereby declare** that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, with regard to the invention entitled **METHODS FOR INACTIVATING TARGET DNA AND FOR DETECTING CONFORMATIONAL CHANGE IN A NUCLEIC ACID**

by inventor(s) Srinivasan Chandrasekaran

described in

- the Specification filed herewith,  
 Application No. 08/647,449, filed May 7, 1996  
 Patent No.                          issued

**I hereby declare** that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each small entity individual, concern or organization having rights to the invention is listed below in (A) and (B) and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

(A) FULL NAME of assignee/licensee/grantee/conveyee\* Johns Hopkins University

ADDRESS 3400 North Charles Street, Baltimore, MD 21218

**X proper box:**  INDIVIDUAL  SMALL BUSINESS  CONCERN  NONPROFIT ORGANIZATION

(A) FULL NAME of assignee/licensee/grantee/conveyee\*

---

**ADDRESS**

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

**\*NOTE:** Separate verified statement is required from each person, concern or organization named in (A) and (B) above having rights to the invention, averring to his/her/its status as a small entity. (37 CFR 1.27)

I acknowledge the duty to file, in this case, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

**NAME OF PERSON SIGNING** Theodore O. Poehler

**TITLE OF ORGANIZATION** Vice Provost for Research, Johns Hopkins University

ADDRESS OF PERSON SIGNING 3400 North Charles Street, Baltimore MD 21218

---

**SIGNATURE**

DATE August 9, 1996